

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01V1/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G01V

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	HIROKAZU MORIYA ET AL.: "Precise source location of AE doublets by spectral matrix analysis of triaxial hodogram" GEOPHYSICS, vol. 59, no. 1, January 1994 (1994-01), pages 36-45, XP002303290 cited in the application the whole document	1-4, 7-13, 15-19
Y	-----	1-24
Y	WO 97/39367 A (AMOCO CORP) 23 October 1997 (1997-10-23) page 4, lines 19-31 page 7, line 13 - page 9, line 5 figures 3,11	1-24
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Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the International filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the International filing date but later than the priority date claimed

"T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"8" document member of the same patent family

Date of the actual completion of the International search

Date of mailing of the International search report

29 October 2004

09/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	VANCE J B ET AL: "IMPROVED DETERMINATION OF MICROSEISMIC SOURCE LOCATION USING A SIMPLEX TECHNIQUE" IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, IEEE INC. NEW YORK, US, vol. 24, no. 4, 1 July 1988 (1988-07-01), pages 666-671, XP000005898 ISSN: 0093-9994 the whole document -----	1-24
A	US 2001/047245 A1 (SCHWARTZBARD ALAN E ET AL) 29 November 2001 (2001-11-29) page 3, paragraph 24 - page 5, paragraph 45 figures 1-4 -----	1-24
A	US 6 018 498 A (GRISMORE JOHN RICHARD ET AL) 25 January 2000 (2000-01-25) column 4, line 55 - column 8, line 61 figures 1-10 -----	1-24

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

T/GB2004/002614

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 9739367	A	23-10-1997	AU	710968 B2		30-09-1999
			AU	1824797 A		07-11-1997
			CA	2220274 A1		23-10-1997
			EP	0832442 A1		01-04-1998
			NO	975784 A		12-02-1998
			RU	2169931 C2		27-06-2001
			WO	9739367 A1		23-10-1997
			US	5892732 A		06-04-1999
US 2001047245	A1	29-11-2001	AU	5330701 A		30-10-2001
			CA	2405577 A1		25-10-2001
			GB	2377021 A ,B		31-12-2002
			NO	20024970 A		12-12-2002
			WO	0179889 A1		25-10-2001
US 6018498	A	25-01-2000	AU	747146 B2		09-05-2002
			AU	5775299 A		27-03-2000
			CA	2341469 A1		16-03-2000
			CN	1321249 T		07-11-2001
			EP	1110104 A1		27-06-2001
			NO	20011092 A		02-05-2001
			WO	0014575 A1		16-03-2000